

DOE PCP/UNR Course:
ASME Pressure Vessel Code for Nuclear Transport and Storage
Argonne National Laboratory, Argonne, IL, June 20-24, 2016
Building 203, Conference Room D-120

Agenda	
June 20, 2016, Monday, 08:00 AM - 05:00 PM	
Time	Topic
08:00 – 08:30	Registration
08:30 – 09:00	Welcome/Introduction/Participant Survey
09:00– 09:45	Overview
09:45 – 10:30	Code Background, Structure and General Requirements
10:30 – 10:45	Break
10:45 –11:30	NRC Transportation and Storage Regulatory Framework
11:30 – 12:00	In-class Exercise I and Discussion
12:00 – 01:00	Lunch
01:00 – 01:45	Regulatory Aspects: 10 CFR 71/IAEA SSR6
01:45 – 02:30	Regulatory Aspects: 10 CFR 72
02:30 – 03:15	Videos – IAEA Transportation Safety / Diablo Canyon ISFSI
03:15 – 03:30	Break
03:30 – 04:00	ASME BPV Code/ASTM Standard Activities
04:00 – 05:00	In-class Exercise II and Discussion; Homework Set I

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Agenda	
June 21, 2016, Tuesday, 08:30 AM - 05:00 PM	
Time	Topic
08:30 – 09:00	Discussion of Homework Set I
09:00 – 09:45	Code Materials
09:45 – 10:15	Non-Code Materials
10:15 – 10:30	Break
10:30 – 11:00	Design Part I
11:00 – 11:45	Design Part II
11:45 – 01:00	Lunch (Group Photo – before lunch)
01:00 – 01:30	In-class Exercise III and Discussion
01:30 – 02:00	Design Part III
01:30 – 02:00	Bolted Closure
02:00 – 02:30	Fabrication
02:30 – 02:45	Break
02:45 – 03:30	Welding
03:30 – 03:50	Video (Welding)
03:50 – 04:20	In-class Exercise IV and Discussion; Homework Set II
04:20 – 05:00	Tour: Atomic Exhibit
06:00 – 07:30	No-Host Reception Dinner at Argonne Guest House

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Agenda	
June 22, 2016, Wednesday, 08:30 AM - 05:00 PM	
Time	Topic
08:30 – 09:00	Discussion of Homework Set II
09:00 – 09:30	Examination
09:30 – 10:00	QA aspects
10:00 – 10:15	Break
10:15 – 10:45	Test Requirements /ASME Code & 10 CFR71&72
10:45 – 11:30	Type B Packaging Testing - Recommended Best Practices
11:30 – 12:00	In-class Exercise V and Discussion
12:00 – 01:00	Lunch
01:00 – 01:30	V&V of Computational Modeling and Simulation
01:30 – 02:00	Structural Analysis Considerations
02:00 – 02:30	Thermal Analysis Considerations
02:30 – 02:45	Break
02:45 – 03:15	Containment Analysis Considerations
03:15 – 03:45	Shielding and Criticality Considerations
03:45 – 04:15	In-class Exercise VI and Discussion; Homework Set III
04:15 – 05:00	Tour: RFID Command Center

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Agenda	
June 23, 2016, Thursday, 08:30 AM - 05:00 PM	
Time	Topic
08:30 – 09:00	Discussion of Homework Set III
09:00 – 09:45	Renewal of ISFSI License and Dry Cask CoC (NUREG-1927 and NEI 14-03, Rev. 1)
09:45 – 10:15	DOE/ANL Aging Management Report, Rev. 2
10:15 – 10:30	Break
10:30 – 11:00	Time-limited Aging Analyses (TLAAs)
11:00 – 11:30	Aging Management Programs (AMPs)
11:30 – 12:00	In-class Exercise VII and Discussion
12:00 – 01:00	Lunch
01:00 – 01:30	OpE of DCSS Aging Management
01:30 – 02:00	ASME BPV Code Section XI
02:00 – 02:30	Inspection and Monitoring
02:30 – 02:45	Video – AREVA TN Spent Fuel Drying
02:45 – 03:00	Break
03:00 – 05:00	Final Exam

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Agenda	
June 24, 2016, Friday, 08:30 AM - 12:00 PM	
Time	Topic
08:30 – 10:00	Tour: Advanced Photon Source
10:00 – 10:15	Break
10:15 – 11:15	Small Team Exercise of Crush Test and Discussion
11:15 – 11:45	Participant Evaluation of Training Course
11:45 – 12:00	Distribution of Certificates